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**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

PATENT

JC918 U.S. PTO  
09/1808760  
03/15/01



In Re Application of:

Daniel Amrany et al.

Group Art Unit: To Be Assigned

Serial No.: To Be Assigned

Examiner: To Be Assigned

Filed: Herewith

Docket No.: 60705-1670

For: SYSTEM AND METHOD FOR CANCELING CROSSTALK

**INFORMATION DISCLOSURE STATEMENT**

Assistant Commissioner for Patents  
Washington, D.C. 20231

Sir:

This information disclosure statement is filed in accordance with 37 C.F.R. §§ 1.56, 1.97, and 1.98, and specifically:

- under 37 CFR 1.97(b), or  
(within Three months of filing national application; or date of entry of international application; or before mailing date of first office action on the merits; whichever occurs last)
- under 37 CFR 1.97(c) together with either a:  
 Statement Under 37 C.F.R. 1.97(e), or  
 a \$180.00 fee under 37 CFR 1.17(p), or  
(After the CFR 1.97(b) time period, but before the final office action or notice of allowance, whichever occurs first)
- under 37 CFR 1.97(d) together with a:  
 Statement under 37 CFR 1.97(e), and  
 a petition under 37 CFR 1.97(d)(2), and  
 a \$180.00 petition fee set forth in 37 CFR 1.17(i)(1).  
(Filed after final office action or notice of allowance, whichever occurs first, but before payment of the issue fee)

Enclosed is a check in the amount of \$ 0.00. Please charge \$0.00 to deposit account 20-0778. At any time during the pendency of this application, please charge any fees required to Deposit Account 20-0778 pursuant to 37 CFR 1.25. The Commissioner is hereby requested to credit any overpayment to Deposit Account No. 20-0778.

- Applicant(s) submit herewith *Form PTO 1449 - Information Disclosure Citation* together with copies of patents, publications or other information of which applicant(s) are aware, which applicant(s) believe(s) may or may not be material to the examination of this application and for which there may be a duty to disclose in accordance with 37 CFR 1.56. As required by 37 C.F.R. §1.98(a), a legible copy of each document is provided.
- A concise explanation of the relevance of foreign language patents, foreign language publications and other foreign language information listed on PTO Form 1449, as presently understood by the individual(s) designated in 37 CFR 1.56(c) most knowledgeable about the content is given on the attached sheet, or where a foreign language patent is cited in a search report or other action by a foreign patent office in a counterpart foreign application, an English language version of the search report or action which indicates the degree of relevance found by the foreign office is listed on the form PTO 1449 and is enclosed herewith.

The following rights are reserved by the Applicant(s): the right to establish the patentability of the claimed invention over any of the listed documents should they be applied as reference, and/or the right to prove that some of these documents may not be prior art, and/or the right to prove that some of these documents may not be enabling for the teachings they purport to offer.

This statement should not be construed as a representation that an exhaustive search has been made, or that information more material to the examination of the present application does not exist. The Examiner is specifically requested not to rely solely on the materials submitted herewith. The Examiner is requested to conduct an independent and thorough review of the documents, and to form independent opinions as to their significance.

It is requested that the information disclosed herein be made of record in this application and that the Examiner initial and return a copy of the enclosed PTO-1449 to indicate the documents have been considered.

Respectfully Submitted,

**THOMAS, KAYDEN, HORSTEMEYER  
& RISLEY, L.L.P.**

By:

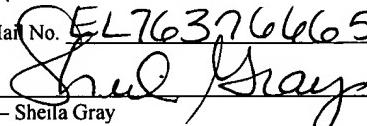
  
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**EXPRESS MAIL**

I hereby certify that this correspondence is being deposited with the United States Postal Service as "Express Mail Post Office to Addressee" in an envelope addressed to: Commissioner of Patents and Trademarks, Box: Patent Application, Washington, D.C. 20231, on March 15, 2001

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Signature – Sheila Gray

Form PTO-1449

**INFORMATION DISCLOSURE CITATION**

(Use several sheets if necessary)

Attorney Docket No.  
**60705-1670**Serial No.  
**To Be Assigned**Applicant  
**Daniel Amrany et al.**Filing Date  
**Herewith**Group  
**To Be Assigned****U.S. PATENT DOCUMENTS**

Examiner Initials	Item	Document Number	Date	Name	Class	Subclass	Filing Date If Appropriate
	A	5,063,351	11/05/91	Goldthorp et al.	324	628	03/15/01
	B	5,483,551	01/09/96	Huang et al.	375	219	03/15/01
	C	5,740,256	04/14/98	Castello Da Costa et al.	361	94.7	03/15/01
	D	5,887,032	03/23/99	Cioffi	375	257	03/15/01
	E	5,991,311	11/23/99	Long et al.	370	524	03/15/01
	F	6,011,814	01/04/00	Martinez et al.	375	233	03/15/01
	G	6,018,317	01/25/00	Dogan et al.	342	378	
	H	6,021,167	02/01/00	Wu	375	354	
	I	6,044,107	03/28/00	Gatherer et al.	375	222	
	J	6,055,297	04/25/00	Terry	379	1	
	K	6,069,922	05/30/00	Dyke	375	285	

**FOREIGN PATENT DOCUMENTS**

		Document Number	Date	Country	Class	Subclass	Translation	
							Yes	No
	L							
	M							
	N							
	O							

**OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, etc.)**

	P	Kim et al., "The Derivation of a New Blind Equalization Algorithm," ETRI Journal, Vol. 18, No. 2, July, 1996, pp. 53-60.
	Q	Rudberg et al., "Crosstalk Cancellation in DMT Communication Systems," Ericsson Components AB, 164 81 Kista, Sweden, pp. 1-4.
	R	Clarke et al., "A New Analytical Method for NEXT and FEXT Noise Calculation," ANSI Standards Committee T1E1.4/98-189, pp. 1-6.
	S	Michael Schlegel, "The Loop Plant," (Matr.-Nr. 593 618), <a href="http://www.fh-lippe.de/~wayne1/chapter2.html">www.fh-lippe.de/~wayne1/chapter2.html</a> , pp. 1-55.
	T	Jim Lane, "Personal Broadband Services: DSL and ATM," Virata, 1998, pp. 1-96.
	U	Tretter et al., "V.34 Transmitter and Receiver Implementation on the TMS320C50 DSP," Digital Signal Processign Solutions, June, 1997, SPRA159, pp. 1-B-4.

\* EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP § 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to the applicant.

EXAMINER'S SIGNATURE:

DATE CONSIDERED:

Form PTO-1449

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60705-1670Serial No.  
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Applicant  
Daniel Amrany et al.Filing Date  
HerewithGroup  
To Be Assigned**U.S. PATENT DOCUMENTS**

Examiner Initials	Item	Document Number	Date	Name	Class	Subclass	Filing Date If Appropriate
	V	6,128,349	10/03/00	Chow	375	260	
	W	6,137,839	10/24/00	Mannering et al.	375	260	
	X	6,144,695	11/07/00	Helms et al.	375	222	
	Y	6,144,696	11/07/00	Shively et al.	375	222	
	Z	6,167,417	12/26/00	Parra et al.	708	405	

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		Document Number	Date	Country	Class	Subclass	Translation
							Yes      No

**OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, etc.)**


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